05/17



## RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number:	10	1014	,099A	
Source:			OIPE	
Date Processed by STIC:		5/31	(or	
		,		

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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netp.// www.daptorgo www.computerester

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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Revised 01/29/2002

## **Does Not Comply** Corrected Diskette Needed



OIPE

RAW SEQUENCE LISTING DATE: 05/31/2002 PATENT APPLICATION: US/10/014,099A TIME: 10:06:08

Input Set : A:\PTOMS.txt

Output Set: N:\CRF3\05312002\J014099A.raw

```
5 <110> APPLICANT: KUEHN, Ralf
              FELDER, Susanne
      7
              SCHWENK, Frieder
      8
              KUETER LUKS, Birgit
      9
              FAUST, Nicole
     11 <120> TITLE OF INVENTION: Modified Recombinase
     13 <130> FILE REFERENCE: 012787wo/JH/ml
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/014,099A
C--> 16 <141> CURRENT FILING DATE: 2001-12-11
     18 <160> NUMBER OF SEQ ID NOS: 108
     20 <170> SOFTWARE: PatentIn Ver. 2.1
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## ERRORED SEQUENCES

change to 1408 <210> SEQ ID NO: 23

1409 <211> LENGTH: 620 1410 <212> TYPE: ONA

1411 <213> ORGANISM: Artificial Sequence

W--> 1412 <220> FEATURE:

1413 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence

encoding the fusion protein C31-Int(CNLS)

1416 <400> SEQUENCE: 23

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1418

1420 Asp Arg Gln Ser Arg Glu Arg Glu Asn Ser Ser Ala Ala Ser Pro Ala

1421 2.0 25

1423 Thr Gln Arg Ser Ala Asn Glu Asp Lys Ala Ala Asp Leu Gln Arg Glu 40

35

1426 Val Glu Arg Asp Gly Gly Arg Phe Arg Phe Val Gly His Phe Ser Glu

1429 Ala Pro Gly Thr Ser Ala Phe Gly Thr Ala Glu Arg Pro Glu Phe Glu

1432 Arg Ile Leu Asn Glu Cys Arg Ala Gly Arg Leu Asn Met Ile Ile Val

85 90

1435 Tyr Asp Val Ser Arg Phe Ser Arg Leu Lys Val Met Asp Ala Ile Pro

1436 100 105

1438 Ile Val Ser Glu Leu Leu Ala Leu Gly Val Thr Ile Val Ser Thr Gln

115 120 125

1441 Glu Gly Val Phe Arg Gln Gly Asn Val Met Asp Leu Ile His Leu Ile

130 135 140

1444 Met Arg Leu Asp Ala Ser His Lys Glu Ser Ser Leu Lys Ser Ala Lys

1445 145 150 155 160

Input Set : A:\PTOMS.txt

1447	Ile	Leu	Asp	Thr		Asn	Leu	Gln	Arg		Leu	Gly	Gly	Tyr		Gly
1448	<b>a</b> 1 .	<b>T</b>		D	165	<b>a</b> 1.	<b>5</b> 1	<b>a</b> 1		170		<b>a1</b> .	m1		175	
1450	GTA	гÀг	Ala		туг	GTA	Pne	GIU		vaı	ser	GIU	Thr	_	GIU	тте
1451	m1			180			** - 1		185	1	<b>-</b> 1-			190		•
1453	Thr	Arg		СТА	Arg	met	vaı		vaı	vaı	тте	Asn		Leu	Ala	Hls
1454	_	_,	195	_	_	_,		200	_,		_,		205			
1456	Ser		Thr	Pro	Leu	Thr	_	Pro	Phe	GLu	Phe		Pro	Asp	Val	Ile
1457		210					215					220				
1459		Trp	Trp	Trp	Arg		Ile	Lys	Thr	His		His	Leu	Pro	Phe	
1460						230					235					240
1462	Pro	Gly	Ser	Gln		Ala	Ile	His	Pro		Ser	Ile	Thr	Gly	Leu	Cys
1463					245					250					255	
1465	Lys	Arg	Met	_	Ala	Asp	Ala	Val	Pro	Thr	Arg	Gly	Glu	Thr	Ile	Gly
1466				260					265					270		
1468	Lys	Lys	Thr	Ala	Ser	Ser	Ala	Trp	Asp	Pro	Ala	Thr	Val	Met	Arg	Ile
1469			275					280					285			
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1472		290					295					300				
1474	Lys	Lys	Pro	Asp	Gly	Thr	${\tt Pro}$	Thr	Thr	Lys	Ile	Glu	Gly	$\mathtt{Tyr}$	Arg	Ile
1475						310					315					320
1477	Gln	Arg	Asp	Pro	Ile	Thr	Leu	Arg	Pro	Val	Glu	Leu	Asp	Cys	Gly	Pro
1478					325					330					335	
1480	Ile	Ile	Glu	Pro	Ala	Glu	Trp	Tyr	Glu	Leu	Gln	Ala	$\mathtt{Trp}$	Leu	Asp	Gly
1481				340					345					350		
1483	Arg	Gly	Arg	Gly	Lys	Gly	Leu	Ser	Arg	Gly	Gln	Ala	Ile	Leu	Ser	Ala
1484			355					360					365			
1486	Met	Asp	Lys	Leu	$\mathtt{Tyr}$	Cys	Glu	Cys	Gly	Ala	Val	Met	Thr	Ser	Lys	Arg
1487		370					375					380				
1489	Gly	Glu	Glu	Ser	Ile	Lys	Asp	Ser	Tyr	Arg	Cys	Arg	Arg	Arg	Lys	Val
1490						390					395					400
1492	Val	Asp	Pro	Ser	Ala	Pro	Gly	Gln	His	Glu	Gly	Thr	Cys	Asn	Val	Ser
1493					405					410					415	
1495	Met	Ala	Ala	Leu	Asp	Lys	Phe	Val	Ala	Glu	Arg	Ile	Phe	Asn	Lys	Ile
1496				420					425					430		
1498	Arg	Hìs	Ala	Glu	Gly	Asp	Glu	Glu	Thr	Leu	Ala	Leu	Leu	${\tt Trp}$	Glu	Ala
1499			435					440					445			
1501	Ala	Arg	Arg	Phe	Gly	Lys	Leu	Thr	Glu	Ala	Pro	Glu	Lys	Ser	Gly	Glu
1502		450					455					460				
1504	Arg	Ala	asn	Leu	Val	Ala	Glu	Arg	Ala	Asp	Ala	Leu	Asn	Ala	Leu	Glu
1505						470					475					480
1507	Glu	Leu	Tyr	Glu		Arg	Ala	Ala	Gly	Ala	$\mathtt{Tyr}$	Asp	Gly	Pro	Val	${ t Gly}$
1508					485					490					495	
1510	Arg	Lys	His		Arg	Lys	Gln	Gln		Ala	Leu	Thr	Leu	Arg	Gln	Gln
1511				5 <b>0</b> 0					505					510		
1513	Gly	Ala	Glu	Glu	Arg	Leu	Ala		Leu	Glu	Ala	Ala	Glu	Ala	Pro	Lys
1514			515					520					525			
1516	Leu		Leu	Asp	Gln	$\mathtt{Trp}$		Pro	Glu	Asp	Ala	Asp	Ala	Asp	Pro	Thr
1517		530					535					540				
1519	Gly	Pro	Lys	Ser	$\mathtt{Trp}$	Trp	Gly	Arg	Ala	Ser	Val	Asp	Asp	Lys	Arg	Val

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002
TIME: 10:06:08

Input Set : A:\PTOMS.txt

```
550
    1520 545
    1522 Phe Val Gly Leu Phe Val Asp Lys Ile Val Val Thr Lys Ser Thr Thr
                                          570
                       565
    1525 Gly Arg Gly Gln Gly Thr Pro Ile Glu Lys Arg Ala Ser Ile Thr Trp
    1526 580
                                      585
    1528 Ala Lys Pro Pro Thr Asp Asp Glu Asp Asp Ala Gln Asp Gly Thr
                                 600
    1531 Glu Asp Val Ala Ala Pro Lys Lys Lys Arg Lys Val
E--> 1532 610
                               615
    3321 <210> SEQ ID NO: 65
    3322 <211> LENGTH: 335
    3323 <212> TYPE: PRT
                                                       12207 is mandatury and needs to be inserted
    3324 <213> ORGANISM: Artificial Sequence
W--> 3325 (220> FEATURE) -
    3325 <223> OTHER INFORMATION: Description of Artificial Sequence: vector
    3326 pBS-SSV3
E--> 3328 <400> SEQUENCE: 65
    3329 Met Thr Lys Asp Lys Thr Arg Tyr Lys Tyr Gly Asp Tyr Ile Leu Arg
    3332 Glu Arg Lys Gly Arg Tyr Tyr Val Tyr Lys Leu Glu Tyr Glu Asn Gly
          20
    3335 Glu Val Lys Glu Arg Tyr Val Gly Pro Leu Ala Asp Val Val Glu Ser
    3338 Tyr Leu Lys Met Lys Leu Gly Val Val Gly Asp Thr Pro Leu Gln Ala
                                 55
    3341 Asp Pro Pro Gly Phe Glu Pro Gly Thr Ser Gly Ser Gly Gly Lys
    3342 65
                                               75
                        70
    3344 Glu Gly Thr Glu Arg Arg Lys Ile Ala Leu Val Ala Asn Leu Arg Gln
                         85
                                           90
    3347 Tyr Ala Thr Asp Gly Asn Ile Lys Ala Phe Tyr Asn Tyr Leu Met Asn
    3350 Glu Arg Gly Ile Ser Glu Lys Thr Ala Lys Asp Tyr Ile Asn Ala Ile
                                   120
    3351 115
    3353 Ser Lys Pro Tyr Lys Glu Thr Arg Asp Ala Gln Lys Ala Tyr Arg Leu
                                135
    3356 Phe Ala Arg Phe Leu Ala Ser Arg Asn Ile Ile His Asp Glu Phe Ala
                            150
                                               155
    3357 145
    3359 Asp Lys Ile Leu Lys Ala Val Lys Val Lys Lys Ala Asn Ala Asp Ile
                                          170
                       165
    3362 Tyr Ile Pro Thr Leu Glu Glu Ile Lys Arg Thr Leu Gln Leu Ala Lys
                   180
                                       185
    3365 Asp Tyr Ser Glu Asn Val Tyr Phe Ile Tyr Arg Ile Ala Leu Glu Ser
                                    200
    3368 Gly Val Arg Leu Ser Glu Ile Leu Lys Val Leu Lys Glu Pro Glu Arg
                               215
    3371 Asp Ile Cys Gly Asn Asp Val Cys Tyr Tyr Pro Leu Ser Trp Thr Arg
    3372 225
                                              235
                           230
    3374 Gly Tyr Lys Gly Val Phe Tyr Val Phe His Ile Thr Pro Leu Lys Arg
                        245
                                           250
```

Input Set : A:\PTOMS.txt

```
3377 Val Glu Val Thr Lys Trp Ala Ile Ala Asp Phe Glu Arg Arg His Lys
                   260
                                      265
    3380 Asp Ala Ile Ala Ile Lys Tyr Phe Arg Lys Phe Val Ala Ser Lys Met
                                  280
    3383 Ala Glu Leu Ser Val Pro Leu Asp Ile Ile Asp Phe Ile Gln Gly Arg
                               295
    3386 Lys Pro Thr Arg Val Leu Thr Gln His Tyr Val Ser Leu Phe Gly Ile
    3387 305
                                              315
                           310
    3389 Ala Lys Glu Gln Tyr Lys Lys Tyr Ala Glu Trp Leu Lys Gly Val
                        325
                                         330
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    3530 <211> LENGTH: 479
    3531 <212> TYPE: PRT
3532 <213> ORGANISM: Artificial Sequence 2220) (3 mandalony W--> 3533 (220) FEATURE:
                                                      needs to be inserted.
    3533 223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
    3534 coding for fusion protein NLS-XisA
E--> 3536 <400> SEQUENCE: 67
    3537 Met Pro Lys Lys Lys Arg Lys Val Gln Asn Gln Gly Gln Asp Lys Tyr
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    3540 Gln Gln Ala Phe Ala Asp Leu Glu Pro Leu Ser Ser Thr Asp Gly Ser
          20
                                       25
    3543 Phe Leu Gly Ser Ser Leu Gln Ala Gln Gln Arg Glu His Met Arg
    3544 35
                                   40
    3546 Thr Lys Val Leu Gln Asp Leu Asp Lys Val Asn Leu Arg Leu Lys Ser
    3547 50
                                55
    3549 Ala Lys Thr Lys Val Ser Val Arg Glu Ser Asn Gly Ser Leu Gln Leu
                            70
                                               75
    3552 Arg Ala Thr Leu Pro Ile Lys Pro Gly Asp Lys Asp Thr Asn Gly Thr
                        85
                                           90
    3555 Gly Arg Lys Gln Tyr Asn Leu Ser Leu Asn Ile Pro Ala Asn Leu Asp
                                      105
                   100
    3558 Gly Leu Lys Thr Ala Glu Glu Glu Ala Tyr Glu Leu Gly Lys Leu Ile
                                   120
    3559 115
    3561 Ala Arg Lys Thr Phe Glu Trp Asn Asp Lys Tyr Leu Gly Lys Glu Ala
                               135
    3564 Thr Lys Lys Asp Ser Gln Thr Ile Gly Asp Leu Leu Glu Lys Phe Ala
                           150
                                              155
    3567 Glu Glu Tyr Phe Lys Thr His Lys Arg Thr Thr Lys Ser Glu His Thr
                      165
                                          170
    3570 Phe Phe Tyr Tyr Phe Ser Arg Thr Gln Arg Tyr Thr Asn Ser Lys Asp
                   180
                                   . 185
    3573 Leu Ala Thr Ala Glu Asn Leu Ile Asn Ser Ile Glu Gln Ile Asp Lys
                                   200
    3576 Glu Trp Ala Arg Tyr Asn Ala Ala Arg Ala Ile Ser Ala Phe Cys Ile
                              215
          210
                                                  220
    3579 Thr Phe Asn Ile Glu Ile Asp Leu Ser Gln Tyr Ser Lys Met Pro Asp
    3580 225 230
                                              235
    3582 Arg Asn Ser Arg Asn Ile Pro Thr Asp Ala Glu Ile Leu Ser Gly Ile
```

Input Set : A:\PTOMS.txt

```
245
                                      250
    3585 Thr Lys Phe Glu Asp Tyr Leu Val Thr Arq Gly Asn Gln Val Asn Glu
                                   265
    3588 Asp Val Lys Asp Ser Trp Gln Leu Trp Arg Trp Thr Tyr Gly Met Leu
    3589 275
                               280
    3591 Ala Val Phe Gly Leu Arg Pro Arg Glu Ile Phe Ile Asn Pro Asn Ile
                           295
    3594 Asp Trp Trp Leu Ser Lys Glu Asn Ile Asp Leu Thr Trp Lys Val Asp
    3597 Lys Glu Cys Lys Thr Gly Glu Arg Gln Ala Leu Pro Leu His Lys Glu
         325 330 335
    3600 Trp Ile Asp Glu Phe Asp Leu Arg Asn Pro Lys Tyr Leu Glu Met Leu
                                  345
    3603 Ala Thr Ala Ile Ser Lys Lys Asp Lys Thr Asn His Ala Glu Ile Thr
                              360
    3606 Ala Leu Thr Gln Arg Ile Ser Trp Trp Phe Arg Lys Val Glu Leu Asp
    3607 370 375
    3609 Phe Lys Pro Tyr Asp Leu Arg His Ala Trp Ala Ile Arg Ala His Ile
                        390
                                         395
    3612 Leu Gly Ile Pro Ile Lys Ala Ala Asp Asn Leu Gly His Ser Met
    3613 405
                          410 415
    3615 Gln Val His Thr Gln Thr Tyr Gln Arg Trp Phe Ser Leu Asp Met Arg
    3616 420 425
    3618 Lys Leu Ala Ile Asn Gln Ala Leu Thr Lys Arg Asn Glu Phe Glu Val
    3619 435 440
    3621 Ile Arg Glu Glu Asn Ala Lys Leu Gln Ile Glu Asn Glu Arg Leu Arg
    3622 450 455 460
    3624 Met Glu Ile Glu Lys Leu Lys Met Glu Ile Ala Tyr Lys Asn Ser
    3732 <210> SEQ ID NO: 69
    3733 <211> LENGTH: 342
3735 <213> ORGANISM: Artificial Sequence (2207 is mandelon and w--> 3736 <2205 FEATURE: needs to be intended.
    3736 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
    3737 coding for fusion protein NLS-Ssv
E--> 3739 <400> SEQUENCE: 69
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    3741 1 5
    3743 Tyr Gly Asp Tyr Ile Leu Arg Glu Arg Lys Gly Arg Tyr Tyr Val Tyr
    3744 20
                                   25
    3746 Lys Leu Glu Tyr Glu Asn Gly Glu Val Lys Glu Arg Tyr Val Gly Pro
    3749 Leu Ala Asp Val Val Glu Ser Tyr Leu Lys Met Lys Leu Gly Val Val
                             55
    3752 Gly Asp Thr Pro Leu Gln Ala Asp Pro Pro Gly Phe Glu Pro Gly Thr
    3753 65 70
    3755 Ser Gly Ser Gly Gly Gly Lys Glu Gly Thr Glu Arg Arg Lys Ile Ala
    3756
                      85
                                       90
```

Input Set : A:\PTOMS.txt

3758	T OU	Wal	λla	λen	T.Ou	λκα	Cln	тагт	λla	Thr	Nen	C137	λen	T10	Lare	λla
3759	Leu	vai	AIG	100	пеп	пта	GIII	ı yı	105	T 11T	тэр	GIY	ASII	110	цуз	AIG
3761	Dha	Tvr	Asn		T.eu	Mot	Acn	Glu		Glv	Tla	Ser	Glu		Thr	Δla
3762	FIIC	+ <u>y</u> +	115		пси	1100	11011	120	****9	Ory	110	DCI	125	nys	T 11.L	mu
3764	T.vc	Asn			Δsn	λla	Tle		Tvs	Pro	Tvr	Lvs		Thr	Ara	Asn
3765	цу	130	-1-	110	11011		135	001	טעם	110	-1-	140	014	1	3	пър
3767	Δla		Lvs	Δla	Tur	Arσ		Phe	Ala	Arσ	Phe		Δla	Ser	Arα	Agn
3768		OIII	2,5	1114	-1-	150	LCu	1110		9	155	204		DC1	**** 9	160
3770		Tle	His	Asp	Glu		Ala	Asp	Lvs	Tle		Lvs	Ala	Va 1	Lvs	
3771				F	165			E	-1-	170		-1-			175	
3773	Lvs	Lvs	Ala	Asn		Asp	Ile	Tvr	Ile		Thr	Leu	Glu	Glu		Lvs
3774		-1-		180				-1-	185					190		-1-
3776	Arq	Thr	Leu	Gln	Leu	Ala	Lys	Asp		Ser	Glu	Asn	Val	Tyr	Phe	Ile
3777	•		195				-	200	-				205	-		
3779	Tyr	Arq	Ile	Ala	Leu	Glu	ser	Gly	Val	Arq	Leu	ser	Glu	Ile	Leu	Lys
3780	•	210					215	-		-		220				_
3782	Val	Leu	Lys	Glu	Pro	Glu	Arg	Asp	Ile	Cys	Gly	Asn	Asp	Val	Cys	Tyr
3783			_			230	-	_		_	235		_		_	240
3785	Tyr	Pro	Leu	Ser	Trp	Thr	Arg	Gly	Tyr	Lys	Gly	Val	Phe	Tyr	Val	Phe
3786					245					250					255	
3788	His	Ile	Thr	Pro	Leu	Lys	Arg	Val	Glu	Val	Thr	Lys	$\mathtt{Trp}$	Ala	Ile	Ala
3789				260					265					270		
3791	Asp	Phe	Glu	Arg	Arg	His	Lys	Asp	Ala	Ile	Ala	Ile	Lys	Tyr	Phe	Arg
3792			275					280					285			
3794	Lys	Phe	Val	Ala	Ser	Lys	Met	Ala	Glu	Leu	Ser	Val	Pro	Leu	Asp	Ile
3795		290					295					300				
3797		Asp	Phe	Ile	Gln		Arg	Lys	Pro	Thr	_	Val	Leu	Thr	Gln	
3798			_	_	_,	310			_		315	_	_	_		320
3800	Tyr	Val	Ser	Leu		GLY	ITe	Ala	Lys		GIn	Tyr	Lys	Lys	_	Ala
3801		_	_	_	325	1				330					335	
3803	GIu	Trp	Leu	_	СТĀ	Val										
3804	.07	n. a.	-A T	340	300	,										
6191						3										
6192					33											
6193 6194					Daget	torio	an had	70 m	2001.	- 1						
6196						rer r	buai	JE 11	2901	1						
6197						Δla	τlα	Фът	Пhr	λνα	Va 1	Ser	Thr	Thr	λen	Gln
6198	1	1111	цуз	шуз	5	AIG	116	1 y L	1111	10	vai	DCI	1111	1111	15	GIII
6200		Glu	Glu	Glv	_	Ser	Tle	Asn	Glu		Tle	Asn	Δra	T.Au		Lvs
6201	niiu	0.1.4	Olu	20	1 110	DCI	110	p	25	0211	110		1119	30	1111	шуы
6203	Tvr	Δla	Glu		Met	Glv	Trp	Gln		Ser	Asp	Thr	Tvr		Asp	Ala
6204	-1-		35			1		40	,		P		45		P	
6206	Glv	Phe		Glv	Ala	Lvs	Leu		Ara	Pro	Ala	Met	_	Arg	Leu	Ile
6207	1	50		1		-1-2	55		9			60		9		
6209	Asn		Ile	Glu	Asn	Lvs		Phe	Asp	Thr	Val		Val	Tvr	Lvs	Leu
6210	65					70		_			75			4 -		80
6212		Arg	Leu	Ser	Arg	Ser	Val	Arg	Asp	Thr	Leu	Tyr	Leu	Val	Lys	
6213	_				85				-	90		-			95	-



Input Set : A:\PTOMS.txt

6215	Val	Phe		Lys 100	Asn	Lys	Ile	Asp	Phe 105	Ile	Ser	Leu	Asn	Glu 110	Ser	Ile
6216 6218	Asp	Thr	Ser	Ser	Ala	Met	Gly	Ser 120	Leu	Phe	Leu	Thr	Ile 125	Leu	Ser	Ala
6219 6221	Ile		115 Glu	Phe	Glu	Arg	Glu 135	Asn	Ile	Lys	Glu	Arg 140	Met	Thr	Met	Gly
6222 6224	1 4 5					150	Ser				TOO					100
6225 6227 6228	Ala				165	His				1/0					1/3	
6230				180	Thr				185					190		
6233			105	Leu				200					203			
6236		210					215					220				
6239	225	Asn				230					235					240
6242	Glu				245					250					200	
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6248			275					280					203			
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625 <i>2</i> 6254 6255	205					310					272					320
6257 6258					325					330					333	
6261				340					345					330		Asn
COCA			355					360					303	1		Asn
6267		370	١				375	5				380	,			Ile
6270	205					390	)				395	)				400
(272					405					410	)				410	
C07/	•			100	1				4.25	)				430	,	Asn
6270	)		435	5				44(	)				44.	,		Ile
6205	,	150	<b>n</b>				45	5				46	,			Asn Phe
6285	5 465	5				470	ya.	I Thi	r Ala	a AS	47	u va. 5	L MS	5 TT6	- 116	Phe 480
6287	7 Lys	s Ph	e Gl	a Lei	ı Ala	<b>a</b>										

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002 TIME: 10:06:09

Input Set : A:\PTOMS.txt

Output Set: N:\CRF3\05312002\J014099A.raw

6288 E-- 6294 1 485

renove extra material et end of file.



VERIFICATION SUMMARY
PATENT APPLICATION: US/10/014,099A

TIME: 10:06:10

Input Set : A:\PTOMS.txt

Output Set: N:\CRF3\05312002\J014099A.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:262 M:256 W: Invalid Numeric Header Field, <220> has non-blank data L:263 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:921 M:256 W: Invalid Numeric Header Field, <220> has non-blank data L:922 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19 L:928 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:19 L:937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:480 L:1412 M:283 W: Missing Blank Line separator, <220> field identifier L:1532 M:252 E: No. of Seq. differs, <211> LENGTH:Input:620 Found:0 SEQ:23 L:3325 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:65 L:3328 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:65 L:3533 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:67 L:3536 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:67 L:3736 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:69 L:3739 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:69 L:6294 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:108